

Additional file 3. Full length uncropped original Western blots

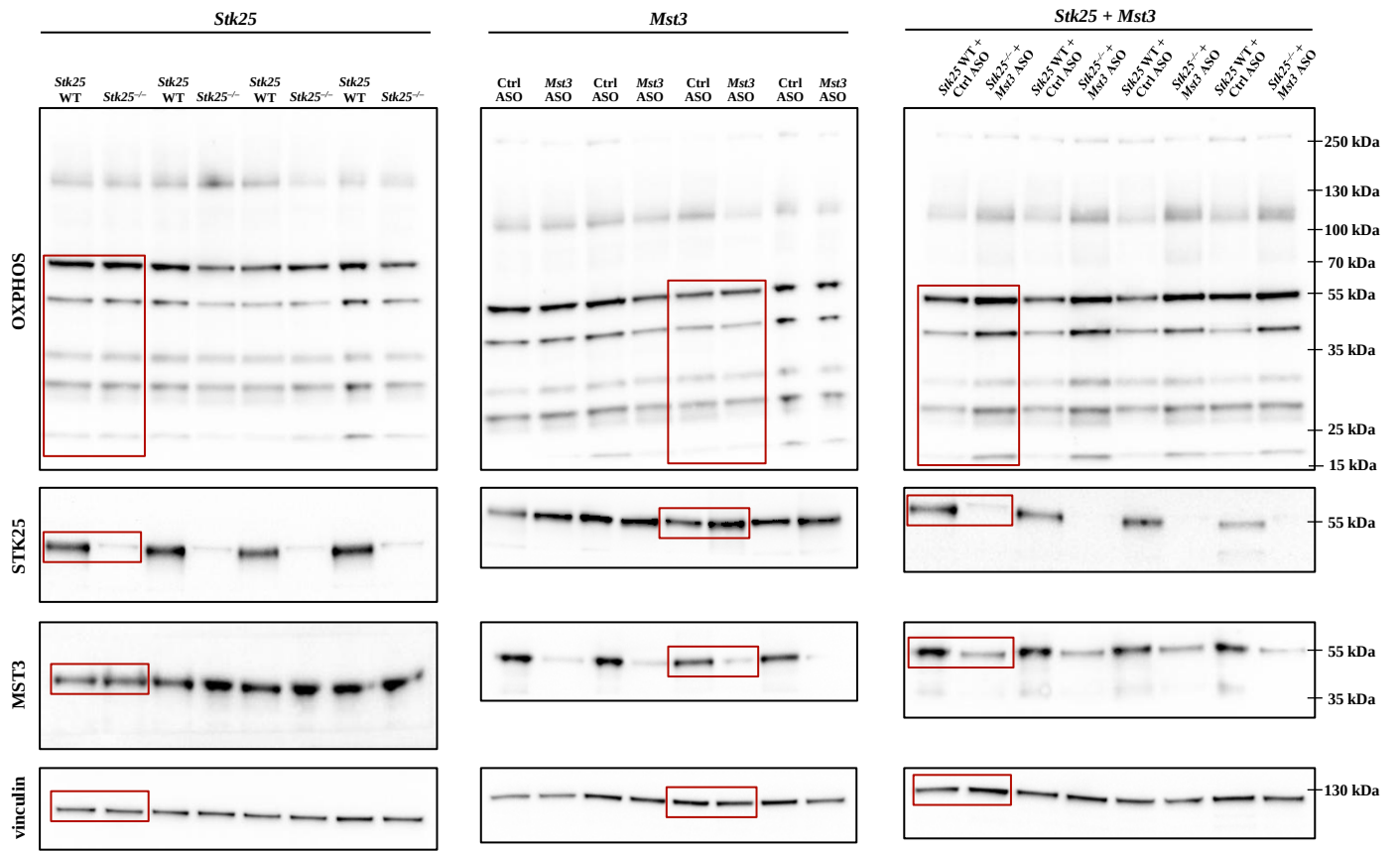
Inhibition of GCKIII Kinases STK25 and MST3 Mitigates Organ Lipotoxicity and Enhances Metabolic Resilience Under Nutritional Stress

Emma Andersson, Xiangdong Gongye, Emmelie Cansby, Jingjing Zhang, Mara Caputo, Bernice Asiedu, Viktor Garellick, Sheri Booten, Sue Murray, Ferran Font-Gironès, Johan Ruud, Dan Emil Lind, Manoj Amrutkar, Brian W. Howell, Ingrid Wernstedt Asterholm, Margit Mahlapuu

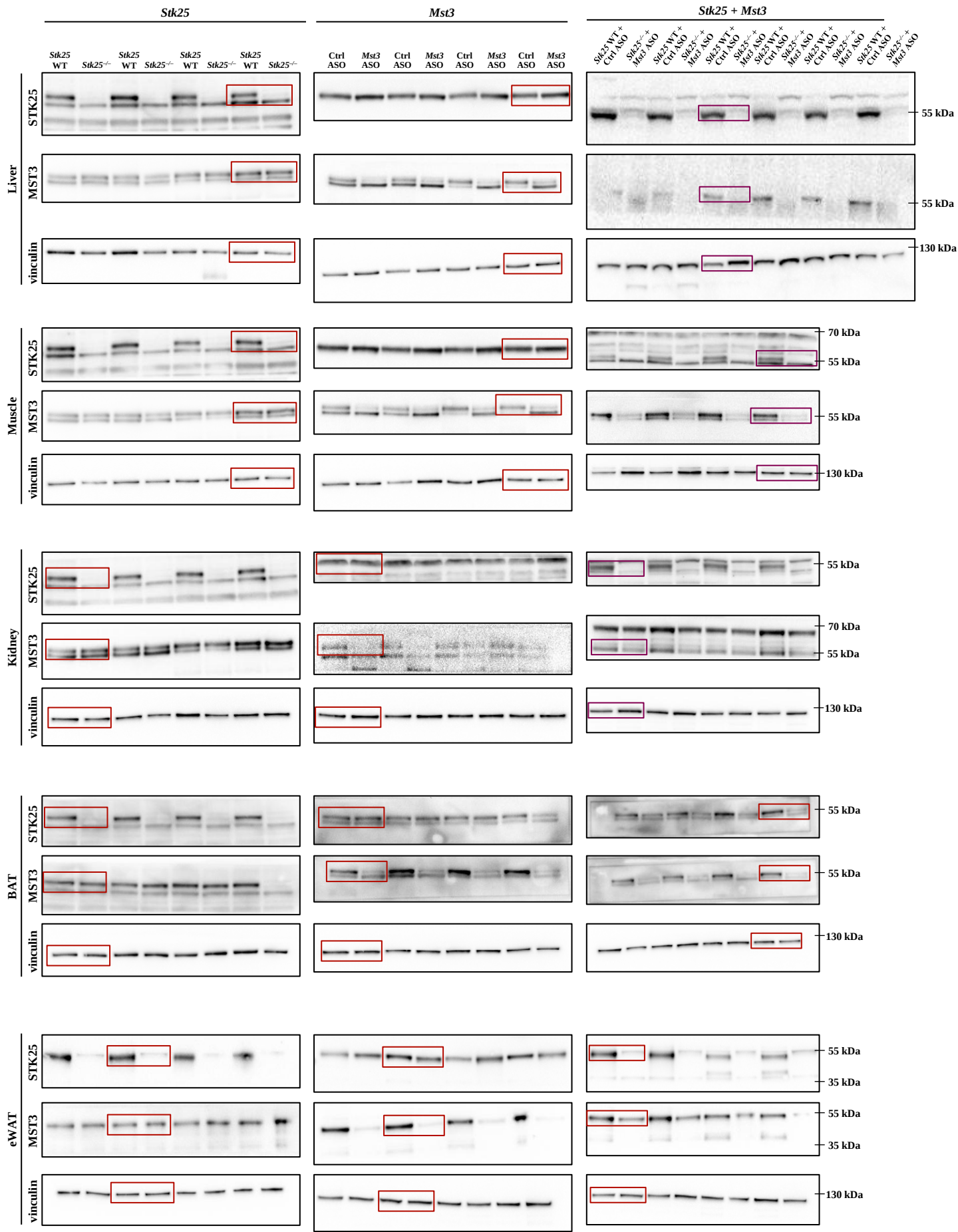
This Additional file includes the original Western blots in Figure 4B, Figure 5A, Figure S1, Figure S8, and Figure S10. Full uncropped membranes are provided. In order to facilitate clear viewing and correspondence with representative immunoblots, all original Western blot bands in the figures of the manuscript and supporting information have been marked with red boxes.

[illegible]

Images of original Western blots represented in Figure 5A



Images of original Western blots represented in Figure S1



Western blot analysis showing the phosphorylation of Stk25 and Mst3 in various genotypes and treatments. The blots are organized into three main panels: *Stk25*, *Mst3*, and *Stk25 + Mst3*. The rows represent different proteins: *Stk25*, *Mst3*, and vinculin (loading control). The columns represent different genotypes and treatments: *Stk25* (WT, *Stk25*^{-/-}, *Stk25*^{-/-} + *Stk25*^{WT}), *Mst3* (Ctrl, *Mst3*^{-/-}, *Mst3*^{-/-} + *Mst3*^{WT}), and *Stk25 + Mst3* (Stk25^{WT} + Ctrl ASO, Stk25^{WT} + *Mst3*^{-/-} ASO, Stk25^{WT} + *Mst3*^{-/-} ASO + *Stk25*^{WT} Ctrl ASO, Stk25^{WT} + *Mst3*^{-/-} ASO + *Mst3*^{WT} Ctrl ASO, Stk25^{WT} + *Mst3*^{-/-} ASO + *Mst3*^{-/-} ASO + *Stk25*^{WT} Ctrl ASO, Stk25^{WT} + *Mst3*^{-/-} ASO + *Mst3*^{-/-} ASO + *Mst3*^{WT} Ctrl ASO). The blots show bands for each protein, with a pink box highlighting the phosphorylated band. Molecular weight markers are indicated on the right: 55 kDa for *Stk25* and *Mst3*, and 130 kDa for vinculin.

Images of original Western blots represented in Figure S10

